Park House
Healthcare

ELITE

PA5550 Mattress Replacement System

User Manual

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IMPORTANT SAFEGUARDS
READ ALL INSTRUCTIONS BEFORE USING

DANGER - To reduce risk of electrocution.

1. Always unplug this product immediately after using.
2. Do not use while bathing.
3. Do not place or store product where it can fall or be pulled into a tub or sink.
4. Do not place in or drop into water or other liquid.
5. Do not reach for a product that has fallen into water. Unplug immediately.

WARNING - To reduce risk of burns, electrocution, fire, or injury to persons:

1. This product should never be left unattended when plugged in.
2. Close supervision is necessary when this product is used on or near children.
3. Use this product only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.
4. Never operate this product if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropping in water, return the product to a service centre for examination and repair.
5. Keep the cord away from heated surfaces.
6. Never block the air opening of this product or place it on a soft surface, such as a bed or couch, where their openings may be blocked. Keep the air opening free of lint, hair, and other similar particles.
7. Never drop or insert any object into any opening or hose.
8. Connect this product to a properly grounded outlet only. See grounding instructions.

NOTE, CAUTION AND WARNING STATEMENTS

NOTE	-	Indicates some tips.
CAUTION	-	Indicates correct operating or maintenance procedures in order to prevent damage to or destruction of the equipment or other property.
WARNING	-	Calls attention to a potential danger that requires correct procedures or practices in order to prevent personal injury.

SYMBOLS

"BF" symbol, indicates this product is according to the degree or protecting against electric shock for type BF equipment.

Attention, should read the instructions.

Grounding terminal (for 230V system)

Disposal of Electrical & Electronic Equipment (WEEE):
This product should be handed over to an applicable collection point for the recycling of electrical and electronic equipment. For more detailed information about recycling of this product, please contact your local city office, household waste disposal service or the retail store where you purchased this product.

Class II Equipment

SAVE THIS MANUAL FOR REFERENCE

1. Introduction

This manual should be used for initial setup of the system and for reference purposes.

1.1 General Information

The Elite is an alternating mattress replacement system suitable for the treatment and prevention of pressure ulcers.

1.2 Intended Use

This product is intended to reduce the incidence of pressure ulcers whilst optimising patient comfort.

⚠ NOTE : Equipment not suitable for use in the presence of a flammable anaesthetic mixture with air, oxygen or nitrous oxide.

2. Product Description

The Elite Mattress Replacement System provides a cost effective solution for both the prevention and treatment of pressure ulcers, suitable for patients up to Very High Risk. Easy to install and operate, the Elite is suitable for both hospital and homecare environments. The Elite offers a comfortable support surface whose cells gently inflate and deflate in accordance with established alternating procedures. With an underlayer of fully encased visco-elastic foam for added support, the Elite mattress combines alternating therapy with optimum user comfort.

3. Installation

3.1 Unpacking

The pump unit and mattress are packaged in separate boxes to secure the contents inside. When unpacking the boxes to remove the pump unit and mattress, check for any damage which may have occurred during shipping. Please report any damages to Park House Healthcare and remove the system from use.

3.2 Setting Up

1. Place the pump at the foot end of the bed.

2. Remove the existing mattress and place the Elite system directly onto the bed frame with the cell or vapour cover uppermost. The inflation tubes should be at the foot end of the bed.

NOTE : The Elite pump must only be used with the Elite mattress or seat.

3. Connect the tubes leading from the mattress to the outlet ports. Inflation tubes should be at the foot end of the bed on the pump.

4. Refer to the comfort control setting and adjust the dial according to the patient's weight. (see the patient weight guide, section 4.3)

5. Connect the pump to the mains power supply and switch on at the pump. At this stage both the mains power and low pressure indicators will illuminate.

6. Cover the support surface with a loosely fitting sheet.

7. When the low pressure indicator has extinguished, patient may be placed on the support surface and further bedding can be added.

8. Test the low pressure alarm by pushing the button on the side of the pump and disconnecting the hoses.

4. Operation

NOTE : Always read the operating instructions before use.

4.1 Transport Mode

If required, disconnect the hoses from the pump and join together. The system will then equalise and retain mattress pressure once the pump has been shut off.

4.2 CPR Requirement

In the event of an emergency pull the CPR tag to deflate the mattress. If rapid deflation of the mattress is required, disconnect the two hoses from the pump.

4.3 Support Setting Procedure

It is important to follow the correct support setting procedure so to ensure the patient recieves adequate support, maximum pressure relief and comfort. Failure to do this could result in the patient being put at risk.

1. Lie the patient on the mattress.
2. Reset the pressure dial on the pump according to the patient's weight. Ensure the correct pressure setting has been selected. Yellow weight settings indicate where to position the dial if the patient is lying down, white weight settings indicate where to position the dial if the patient is sitting up.
   NB - for pump models without weights indicated on the dial, use the weight guide table below.
3. Maximum patient weight limit 159kgs (350lbs / 25 stones).
   Minimum patient weight limit 31kgs (70lbs / 5 stones)
   For patients weighing 31 kgs to 60 kgs set/turn the pressure dial to 60 kgs or below.

Pressure Range Dial	Weight (kg)	Weight (lb)	Weight (st & lb)
Soft	31 - 50 kg	70 - 110 lb	5 st - 7 st 12 lb
10-20% turn away from Soft	51 - 75 kg	112 - 165 lb	8 st - 11 st 11 lb
30-40% turn away from Soft	76 - 100 kg	168 - 220 lb	12 st - 15 st 10 lb
Firm	100 - 159 kg	220 - 350 lb	15 st 10 lb - 25 st

NB - The above is a guide only and the dial can be adjusted according to the individuals' comfort requirements.

5. Cleaning

The following guidelines are suggested by Park House Healthcare Ltd as being suitable infection control procedures. Further information is available upon request.

5.1 Pump Unit

It is important to follow the cleaning procedures for single patient use. General cleaning may be affected by using a cloth dampened with a mild detergent and water solution. This approach may be followed either by wiping with a sodium hypochlorite solution to a dilution of 1000 ppm or by using an alcoholic wipe.

Wipe the pump unit with a damp cloth and a mild detergent, and keep it away from dust. If another detergent is used, choose one that will have no chemical effects on the surface of the plastic case of the pump unit.

CAUTION : Do not immerse or soak pump unit.
Do not use hyper carbonate or phenol based cleaning solutions.
Do not use any abrasive compounds or cleaning pads.

5.2 Mattress

During general use the mattress and tube set may be cleaned by using a mild detergent solution. Where appropriate mattress covers may be completely removed for laundering or sterilisation. Whenever there is staining or body fluids on the mattress, including the cells and tubing, then a sodium hypochlorite solution to a dilution of 1000 ppm should be used following thorough cleansing with soap and water.

All mattress covers may be laundered as follows:

Pre Wash 80°C + 15 minutes
Main Wash 80°C + 15 minutes
Followed by cold rinses and extraction

CAUTION	:	Do not use phenolic based products for cleaning.
CAUTION	:	Dry the mattress on a SUNLESS capitalised area after cleaning.
CAUTION	:	During cleaning procedures, suitable protective clothing should be worn. Ensure that the mains power supply to the pump has been disconnected prior to cleaning.
CAUTION	:	Follow the national requirements for the correct disposal of the pump unit.

6. Storage

1. To store the mattress, lay the mattress out flat and upside down.
2. Roll from the head end towards the foot end.

NOTE	:	Do not fold, crease or stack the mattresses. Avoid direct sunlight.

7. Maintenance

The entire timer assembly should be replaced every 3 years of service.

If a fault occurs please refer to troubleshooting or contact Park House Healthcare.

8. Troubleshooting

Problem	Solution
The pump is showing no indication it is working	• Check if the plug is connected to the mains.
The low pressure light is constantly on	• Check that the hoses are all connected. • Check if there is any leakage in the mattress system. • Check that the CPR tag is still in place.
The pump is on but not inflating the mattress	• Disconnect hoses from pump and check if air is coming out. • Check that all hoses are connected securely. • Check that the CPR is in place. • Check that there are no obvious leaks in the mattress system. • Check that the pressure is in the suggested range for the weight of the patient. • Check that there are no kinks in the tubing running down the side of the mattress.
The system does not appear to be alternating	• Check that there are no kinks in the tubing running down the side of the mattress.
The pump is operating noisily	• Make sure the pump is resting against a solid surface.

If your problem cannot be resolved using the above information, please contact Park House Healthcare.

9. Technical Description

Product Code		PA5550	
Pump		**Specification**	
Power Supply (refer to rating label on the product)		AC 230V, 50Hz	
Fuse Rating		T1A	
Dimension (L x W x H)		30 x 19 x 9.5 (cm)	
Weight		2 kg	
Environment	Temperature	Operation: Storage: Shipping:	-40°C to 70°C -40°C to 70°C -40°C to 70°C
	Humidity	Operation: Storage: Shipping:	10% to 100% non-condensing 10% to 100% non-condensing 10% to 100% non-condensing
Classification		• Class II	
Mattress		**Specification**	
Dimension (L x W x H)		200 x 89 x 17.5 (cm)	
Weight		3 kg	
Pressure Range		30 - 80 mmHg	
Maximum Patient Weight		159 kg or 25 stones	

Contact the distributor or EU representative for further technical documents.

⚠ *NOTE :

1. The specifications also apply to those areas operating with the same power supply.
2. The manufacturer reserves the right to modify the specification without notice.
3. The earth terminal is functional earth, not a protective earth.

10. Guarantees and Warranty

10.1 Pump Unit

All new pumps have a guarantee for a period of 2 years following the date of dispatch.

10.2 Mattress

All new mattresses have a guarantee for a period of 2 years following the date of dispatch.

10.3 Guarantee

Park House Healthcare guarantees to repair or place any equipment issued to its customers, which is found to be faulty during the relevant guarantee or warranty period. The Company's guarantees are subject to following conditions:

a) That the equipment has been used for the purpose for which it was intended.
b) That the usage has been on a 'fair wear and tear' basis.
c) That the Company's cleaning / disinfection guidelines have been followed.
d) That the Company's maintenance guidelines have been followed.
e) That maintenance has been carried out by a Park House approved engineer.

10.4 Warranty

Extended warranties can be purchased from Park House Healthcare, for more information contact Customer Services on 0845 0600 333.

10.5 Claims relating to Guarantee and Warranty

In the event of a fault being discovered within the warranty period, the customer must notify Park House Healthcare at the earliest opportunity.

If upon inspection, Park House Healthcare accepts liability then the equipment shall be repaired or replaced immediately.

If Park House Healthcare does not accept liability it shall inform the customer of its reasons for declination and provide the customer with an estimate on either the repair or replacement cost.

Park House Healthcare reserves the right to alter or amend this document without prior notice.

Notes

New Corporate Headquarters opened in October 2006

The Company

Founded in 1984, Park House Healthcare Ltd is recognised as one of the leading manufacturers of specialist pressure relieving and pressure reducing equipment in the U.K.

Park House Healthcare Ltd has an extensive product portfolio and the facility to customise products to suit customer needs whilst offering solutions in pressure care, postural management and moving and handling.

Employing over 100 full time staff at our 60,000 sq. ft state of the art Corporate Headquarters in West Yorkshire, Park House Healthcare are proud to offer in-house manufacturing, a full product audit and decontamination service and a network of distribution centres as part of our continued commitment to Customer Care.

24 hour care, 365 days a year dedicated internal personnel manage specific regions and divisions ensuring one-on-one personal customer service at all times. With distributors in over 25 countries, Park House Healthcare are a truly international company and we place important emphasis on providing high levels of customer care to ensure we exceed customer expectations at all times.

Additional support nationwide is available through our service centres situation strategically around the country.

Park House Healthcare Ltd is a respected member of the British Healthcare Trade Association and has BS EN ISO 9001 and EN 46002 accreditation which is the specific quality standard for Medical Devices. All products are CE marked in accordance with the European Directive 93/42/EEC.

ISO Certificate No: 8019
CE Certificate No: CA001810
Master Indemnity Assurance No: IFA 2433 0451 CCI

Due to its policy of continued development and improvement, Park House Healthcare Ltd reserves the right to amend any details and specifications without notice.

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Park House
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